

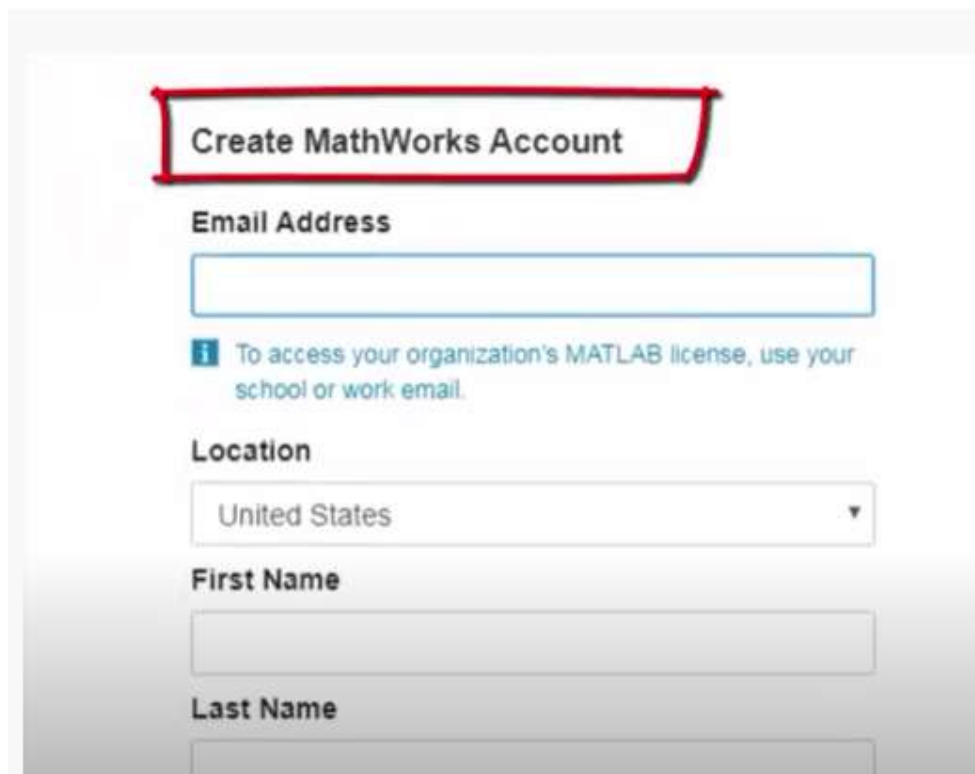
Setting up a ThingSpeak Account, creating and saving a channel with write API Key



Launch your browser and go to **thingspeak.com**



Register for a free account by clicking on **Get Started for Free**




The screenshot shows a web form titled "Create MathWorks Account" which is highlighted with a red hand-drawn rectangle. Below the title, there are several input fields: "Email Address" (a text box), a blue information icon followed by the text "To access your organization's MATLAB license, use your school or work email.", "Location" (a dropdown menu showing "United States"), "First Name" (a text box), and "Last Name" (a text box).

Create a **MathWorks account** by filling up the form details



Click on Continue

Personal Email Detected

 To use your organization's MATLAB, enter your work or university email

Email Address

xyz@gmail.com

☒ Use this email for my MathWorks Account

Check on **Use this email for my MathWorks Account**



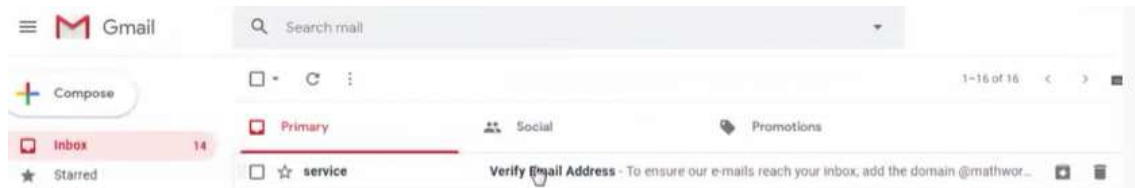
Click on **Continue**

Verify Your MathWorks Account

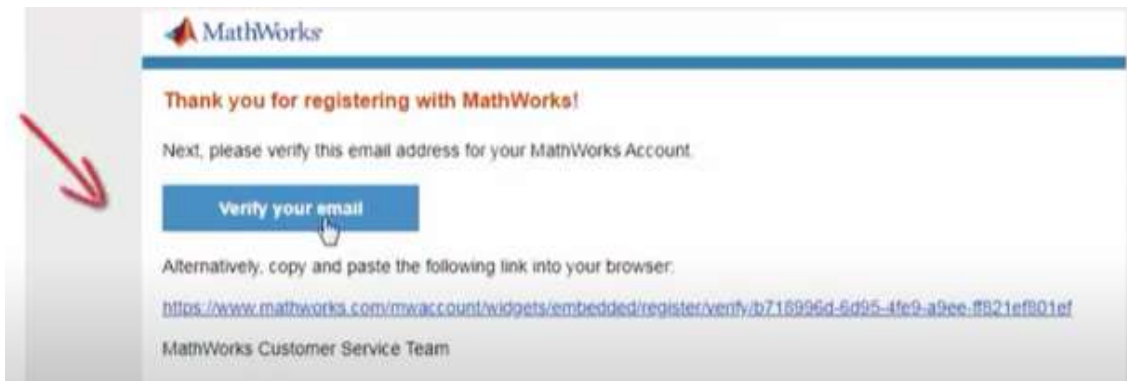
To finish creating your account, complete the following steps:

1. Go to your inbox for xyz@gmail.com
2. Click the [link in the email we sent you](#).
3. Click **Continue**.

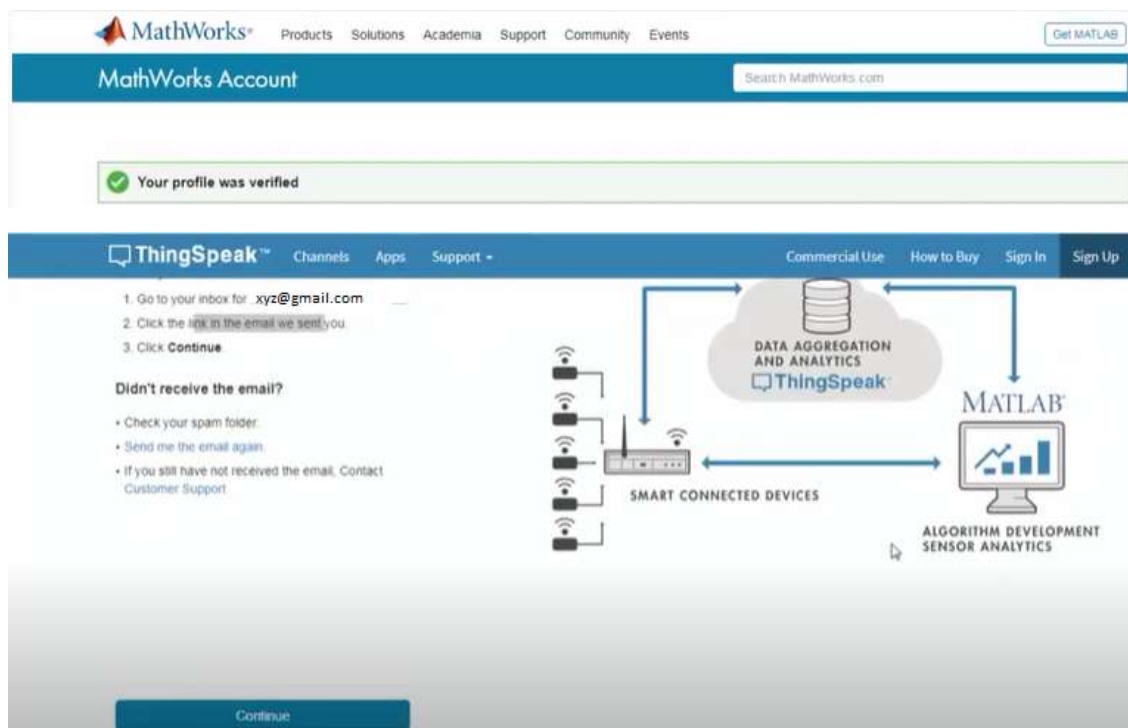
Follow 1-3 to **verify** your MathWorks account. Keep the tab opened on your Browser so that you can get back to ThingSpeak after verifying your email



Open a new tab on your browser and go to your Gmail inbox (other inbox) and **click on the Verify Email Address** email sent to you



Click on **Verify your email**





Go back on the ThingSpeak tab

Sign up for ThingSpeak

It is free to sign up for ThingSpeak. Free accounts offer a fully functional experience on ThingSpeak with limited time-limited free evaluation. To send data faster to ThingSpeak or to send more data, consider our [paid licenses](#). To start using ThingSpeak you must create a new MathWorks account, or, click cancel and log in using an existing account.

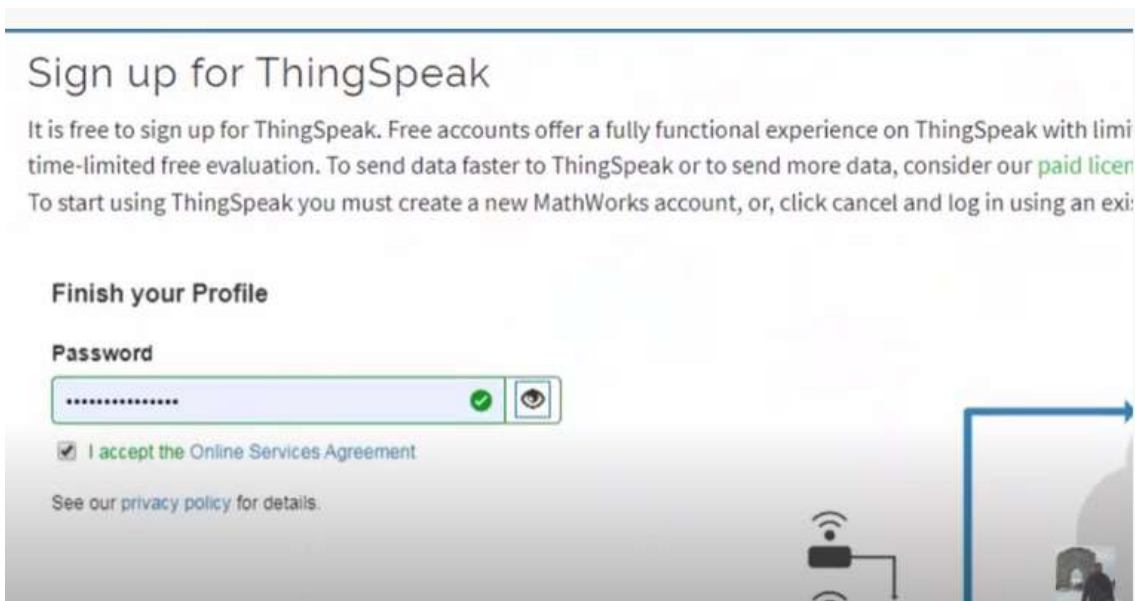
Finish your Profile

Password

.....  

☒ I accept the [Online Services Agreement](#)

See our [privacy policy](#) for details.



Input your **ThingSpeak Password** and **check** on **acceptance terms**

ThingSpeak™ Channels Apps Support

Sign-up successful

Congratulations, you have successfully linked your MathWorks account to ThingSpeak. Use the following email ID and its associated MathWorks account password on all subsequent logins to ThingSpeak.

Email ID: [haykel.m2016@gmail.com](#)

Welcome to ThingSpeak!

[OK](#)

Password saved

View and manage saved passwords in your Google Account

[Sign Out](#)

Click on the **OK** button

ThingSpeak Usage Intent

1) How are you planning to use ThingSpeak?

- ☐ Commercial work (including research)
- ☐ Government work (including research)
- ☐ Personal, non-commercial projects
- ☒ Teaching or research in school
- ☐ Student use

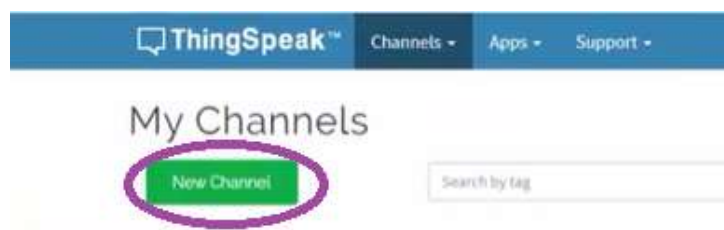
2) Tell us something about your project (optional)

OK

If the above pop-up form appears on Usage Intent, click on the option Teaching or research in school and click the Ok button

*At this stage the ThingSpeak account creation is done

Create a New Channel



Click on New Channel

Name	Test1	
Description		
Field 1	Temperature	<input checked="" type="checkbox"/>
Field 2	Temperature	<input type="checkbox"/>
Field 3		<input type="checkbox"/>
Field 4		<input type="checkbox"/>
Field 5		<input type="checkbox"/>
Field 6		<input type="checkbox"/>
Field 7		<input type="checkbox"/>

Input the value you intend to measure (Temperature if you are using the TMP36 or LM35 temperature sensor or Light if you are using the light-dependent resistor) and check on the little box beside it

Elevation	
Show Channel Location	<input type="checkbox"/>
Latitude	0.0
Longitude	0.0
Show Video	<input type="checkbox"/>
	<input checked="" type="radio"/> YouTube <input type="radio"/> Vimeo
Video URL	http://
Show Status	<input type="checkbox"/>
<input type="button" value="Save Channel"/>	

Click on Save Channel to save it



An empty visualization chart should be created waiting to be populated and graphed with real-time temperature (or other value) data

Click on **API Keys**

[Private View](#) [Public View](#) [Channel Settings](#) [Sharing](#) [API Keys](#)

Write API Key

Key

STP123VFCX2312CZ

Generate New Write API Key

Copy the Write API Key which you need to use in your python code to access the specific ThingSpeak chart (the empty temperature chart in this case for plotting the temperature data)